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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22913

7590

02/16/2010

Workman Nydegger  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, UT 84111

EXAMINER

GHAPORERKIAN, FAITYAZKHAN

ART UNIT

PAPER NUMBER

2476

DATE MAILED: 02/16/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,697	06/05/2008	Pubudu Chandrasiri	16458.8	9696

TITLE OF INVENTION: SECURE COMMUNICATIONS WITHIN AND BETWEEN PERSONAL AREA NETWORKS BY USING PRIVATE AND  
PUBLIC IDENTIFIERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/17/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to:** Mail **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
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 or Fax **(571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22913 7590 02/16/2010

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 60 East South Temple  
 Salt Lake City, UT 84111

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/579,697 06/05/2008 Pubudu Chandrasiri 16458.8 9696

**TITLE OF INVENTION:** SECURE COMMUNICATIONS WITHIN AND BETWEEN PERSONAL AREA NETWORKS BY USING PRIVATE AND PUBLIC IDENTIFIERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/17/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
GHAFOERKHAN, FAIYAZKHAN	2476	370-395300

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 8 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 8 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

**Notice of Allowability****Application No.**

10/579,697

**Examiner**

FAIYAZKHAN GHAFOERKHAN

**Applicant(s)**

CHANDRASIRI ET AL.

**Art Unit**

2476

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/08/2009.
2. ☒ The allowed claim(s) is/are 1,2,4-8,12-15,19,20,22-26,30-33,37,38,40-44,49-51,54 and 60-72.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

/F. G./  
Examiner, Art Unit 2476

/Ayaz R. Sheikh/  
Supervisory Patent Examiner, Art Unit 2476

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ronald Ward on 02/03/2010.

**In the Claims:**

Claim 13, line 1:

--The method of claim 11, further-- is changed to --The method of claim 1, further--

Claim 14, lines 4-5:

--transmitting a message to the gateway device indicating the corresponding resource available;--  
is changed to --transmitting a message to the gateway device indicating the available resource--

Claim 15, lines 2-5:

--stored on the first gateway device enables the selection of a device within the first association of devices willing to provide a requested resource and the routing of a request for use of the requested resource to the corresponding device-- is changed to --stored on the first gateway device enables selection of a device within the first association of devices willing to provide a requested resource and routing of a request for use of the requested resource.--

Claim 54, line 3:

--a gateway device corresponding to the gateway device of the-- is changed to --gateway device corresponding to the gateway device of the--

Claim 63, lines 7:

--within its association when the devices are able to communication directly.-- is changed to -- within its association when the devices are able to communicate directly.--

*Allowable Subject Matter*

2. Claims 1-2, 4-8, 12-15, 19-20, 22-26, 30-33, 37-38, 40-44, 49-51, 54, 60-72 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record individually or in combination fails to anticipate or render obvious the combination of the following recited features: in regards to claim 1, sharing resources between a plurality of devices, each one of the devices being provided in at least a first association of devices or a second association of devices and each device within the first and second associations having an internal identifier for identifying the device within its association for the purpose of delivering communications to that device, wherein, the first association of devices has a first gateway device with a first external identifier and the second association of devices has a second gateway device with a second external identifier, the first gateway device storing a first record of: a plurality of resources provided by devices within the first association of devices that are available for use by devices external to the first association, and where each resource is associated in the first record with a corresponding internal identifier; and a plurality of resources

provided by devices within the second association of devices that are available for use by devices external to the second association; the second gateway device storing a second record of: a plurality of resources provided by devices within the second association of devices that are available for use by devices external to the second association, and where each resource is associated in the second record with a corresponding internal identifier; and a plurality of resources provided by devices within the first association of devices that are available for use by devices external to the first association; a first device within the first association of devices sending a first communication to the first gateway device, the first communication relating to provision of a particular resource available from a second device in the second association of devices; the first gateway device using the first record to determine an external identifier associated with the particular resource, the first gateway device sending a second communication relating to the provision of the particular resource, the second communication including the determined external identifier for enabling the second communication to be received by the second association of devices.

In regards to claim 19, sharing of resources between a plurality of devices, each one of the devices being provided in a first association of devices or a second association of devices and each device within the first and second associations having an internal identifier for identifying the device within its association for the purpose of delivering communications to that device, a first gateway device with a first external identifier, the first gateway device configured to store a first record of: a plurality of resources provided by devices within the first association of devices that are available for use by devices external to the first association, and where each resource is associated in the first record with a corresponding internal identifier; and a plurality of resources

provided by devices within the second association of devices that are available for use by devices external to the second association; a second gateway device with a second external identifier, the second gateway device configured to store a second record of: a plurality of resources provided by devices within the second association of devices that are available for use by devices external to the second association, and where each resource is associated in the second record with a corresponding internal identifier; and a plurality of resources provided by devices within the first association of devices that are available for use by devices external to the first association; the first gateway device further configured to use the first record to determine an external identifier relating to a particular resource available from a second device in the second association of devices, in order to provide a communication from a first device within the first association of devices, relating to the provision of the particular resource, to the second gateway device in the second association of devices, the communication including the determined external identifier for enabling that communication to be received by the second association of devices.

In regards to claim 37, an association of devices between which resources are shared, each device within the association having an internal identifier for identifying the device within the association for the purpose of delivering communications to the device, the association of devices comprising: a gateway device with an external identifier, the gateway device configured to communicate with one or more other associations of devices, the one or more other associations of devices also having a gateway device with an external identifier, and wherein the gateway device of the association of devices is further configured to store a record of: a plurality of resources provided by devices within the first association that are available for use by devices external to the association, and where each resource is associated in the stored record with a



corresponding internal identifier; and a plurality of resources provided by devices within the one or more association of devices that are available for use by devices in the association; and a first device configured to send a first communication to the gateway device, the communication relating to provision of a particular resource available from a second device in one of the one or more other associations of devices, wherein the gateway device is configured to use the stored record to determine an external identifier associated with the particular resource and to send a second communication relating to the provision of the particular resource, the second communication including the determined external identifier for enabling the second communication to be received by the other association of devices.

The resources are defined to be stored telephone books and a stored SMS messages in paragraph [0071 and 0077] of the specification, a printer in paragraph [0022 and 0077] of the specification, stored e-mails in paragraph [0080] of the specification, and a multicast service in Fig. 20.

The association of devices are defined as Personal Area Network Secure Domains in Paragraphs [0114 and 0117], of the specifications.

The independent claims are allowable as a combination of features and not for one feature in particular.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

/Ayaz R. Sheikh/

Application/Control Number: 10/579,697

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Art Unit: 2476

Supervisory Patent Examiner, Art Unit 2476